

Date: Tue, 9 Aug 94 04:30:21 PDT
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>
Errors-To: Ham-Equip-Errors@UCSD.Edu
Reply-To: Ham-Equip@UCSD.Edu
Precedence: Bulk
Subject: Ham-Equip Digest V94 #275
To: Ham-Equip

Ham-Equip Digest Tue, 9 Aug 94 Volume 94 : Issue 275

Today's Topics:

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 HT-200
 Icom 22s 2m Help with tuning slugs
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 Kenwood TM-733A PL problem - the real story
 kenwood tsu-7 tone board 4 sale
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 Radio Shack discount Stores
 Request: IC-281H vs. FT-2500/2200 ?
 test
 TH-79 oddities (3 msgs)
 Yaesu FT-101, missing manual

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Mon, 8 Aug 1994 19:48:56 GMT
From: news.cygnus.com!cygnus.com!rob@uunet.uu.net
Subject: [Q] Swap meets in Colorado ?
To: ham-equip@ucsd.edu

Does anyone have info on upcoming swap meets in the Colorado Front Range

area ? I've heard of one in Longmont in Sept, but info is hard to come by way up here in the mountains.

- rob -

--

Cygnus Support	<< KERNEL: Panic, core dumped >>	Headquarters
PO Box 1548	Darkstar crashes,	1937 Landings Drive
Nederland, CO 80466	pouring its light into ashes,	Mountain View, CA 94043
+1 (303) 258-0506	reason tatters, ...	+1 (415) 903-1400

Date: 8 Aug 94 16:22:49 GMT
From: news-mail-gateway@ucsd.edu
Subject: Extented RIT/XIT range for TS830
To: ham-equip@ucsd.edu

Hello all,
I've heard that there is a mod to expand the RIT/XIT tuning range for the Kenwood TS830.
Can anyone help me with this?

thanks

--

Marco Fassiotto, i1iiy/aa1iu
Internet : fax@sparc4.ico.olivetti.com
AX25 : aa1iu@n0ary.#nocal.ca.usa.na

Date: 8 Aug 94 18:21:58 GMT
From: news-mail-gateway@ucsd.edu
Subject: HT-200
To: ham-equip@ucsd.edu

I am in need of a service manual for the low band version of the Motorola HT-200. I have been looking for one for a long time now! BTW, has anyone had any success converting one of these radios to 6 meters? Thanks. Bill

* BILL FLETCHER AF9B FLETCHER@VILAS.UWEX.EDU *
* WISCONSIN PUBLIC RADIO VOICE: 608-266-6667 *

Date: 8 Aug 1994 20:51:32 GMT
From: news.sprintlink.net!news.world.net!usenet@uunet.uu.net
Subject: Icom 22s 2m Help with tuning slugs
To: ham-equip@ucsd.edu

I need some replacement tuning slugs for some of the coils in the PLL section of the Icom 22s transceiver. I know it's old, but hey-- why retire it now?

Can you help me out?

73 de Dave, WB7DFV

Date: Sat, 06 Aug 94 20:39:47
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!gatech!concert!mms!
kn4aq.gary@network.ucsd.edu
Subject: KENWD TM-733A PL/IMOD
To: ham-equip@ucsd.edu

Ne> The transmitted PL tones on my Kenwood TM-733A are much to strong. I
Ne> get a significant hum and buzz from most receivers, and my audio
Ne> reports usually mention it.

Ne> Steve Haehnichen Vigra, Inc. San Diego, CA

I read Steve's posting shortly after pulling a new 733A out of the box, and tested the CTCSS. I don't have a service monitor, so I can only report what I'm hearing from a speaker, compared to the CTCSS sent by a couple other radios.

The 733A CTCSS isn't a lot louder than the other radios, but it is distorted -- to distorted to be considered acceptable.

In addition, the radio is not very good on intermod. Right now its sitting on top of an Icom 2410. I live in a fairly high intermod area, with several commercial towers within a mile. The 2410 hears a bit of intermod on a few VHF channels -- its rarely a problem. The 733 is hearing intermod on many more channels, both VHF and UHF, some of it very strong, and definitely a problem.

Too bad -- the 733's got some nice bells and whistles. But its not performing where it counts.

This one's going back. BTW, it is serial # 51101980.

73,

Gary KN4AQ, Raleigh NC

___ Blue Wave/QWK v2.12

Date: 9 Aug 1994 05:16:13 GMT
From: news.cerf.net!gopher.sdsc.edu!news.tc.cornell.edu!news.cac.psu.edu!
newsserver.jvnc.net!netnews.upenn.edu!news.amherst.edu!news.umass.edu!
nic.umass.edu!twain.ucs.umass.@@ihnp4.ucsd.edu
Subject: Kenwood 2550
To: ham-equip@ucsd.edu

Does anyone know anything about this model.

--

| Michael W. Warchut Voice: 413-545-2036 |
| Senior Technician Fax : 413-545-2418 |
| PC Maintenance Lab I am only 100% right, |
| University of Mass 50% of the time. |

Date: 8 Aug 1994 22:01:26 GMT
From: spool.mu.edu!agate!kennish@uunet.uu.net
Subject: Kenwood TM-733A CTCSS (PL) tone too strong! Fix?
To: ham-equip@ucsd.edu

Can someone do me a favor and look at the schematics?
Did Kenwood do the same idiotic thing as Yaesu did with
the FT-11/41R and use the CPU to generate the PL(TM for Mr.
Beckman) tones? My FT-41R generated a very poor quality
PL tone, because of this method of generation. Not only
was it poor in quality, it was off frequency. I finally
had to force Yaesu to install a tone board, which generates
the PL tone in addition to decoding. This fixed everything.
I'm just trying to figure out if this is what is the
latest trend....

==Ken

Date: 8 Aug 1994 15:04:55 GMT
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!newsserver.jvnc.net!

netnews.upenn.edu!eniac.seas.upenn.edu!depolo@network.ucsd.edu
Subject: Kenwood TM-733A PL problem - the real story
To: ham-equip@ucsd.edu

There has been discussion here and on local repeaters about the Kenwood TM-733A's PL being "too loud". After looking into it, and talking to Kenwood, here's the whole story.

Many 733's out there generate an audible hum when the PL encoder is turned on. Kenwood and its dealers are telling people who complain of this malady that it is because the "PL is up too high". However, this isn't really the case. The truth is that there is a noticeable hum *not on the PL frequency* that is induced when the PL encoder is turned on. The real PL is there, and on the unit I tested, was in the ballpark as far as deviation goes, however, there was the additional tone/hum being generated at the same time, which made an accurate deviation reading difficult.

So, in a nutshell, there is a defect. Turning down the PL deviation may help lower the amplitude of the hum, but it is also going to lower the real PL tone as well. The nominal value for PL deviation is 750 Hz, with 500 Hz and 1000 Hz being the limits. Most amateur rigs that I've tested tend to be below the nominal 750 Hz value to begin with. Turning down the PL even more to reduce the hum problem is going to keep 733 users out of most PL'ed repeaters, so don't let a local service shop turn down the PL deviation. Send bad 733's back to Kenwood directly so that they can fix the defect.

Users may note that the problem seems to appear on some repeaters, and not on others. This can be due to several reasons. First, the hum itself is down near the PL range. On the unit I looked at, while generating a PL of 131.8 Hz, the hum was up around 260 Hz. Most PL'ed repeaters filter out the PL that comes in the receiver via a high-pass filter with a cutoff around 300 Hz. So, on repeaters configured as this, the hum may not be noticeable to listeners. Other repeaters don't filter PL, either intentionally or unintentionally. On repeaters like this, how loud the hum sounds will depend on what the low-frequency response of the system is. Finally, on a small number of systems, a steep notch filter is used just on the PL frequency that needs to be filtered. So, the real PL tone is filtered out, but the hum is allowed to pass through and is apparent to listeners. This is how our system is configured, which made it obvious to me that Kenwood was blowing smoke about the "PL being up too loud" since 733 users all had hums on their audio, even though the system PL (131.8 Hz) was being filtered properly (about -50 dB).

It may be possible that Kenwood is telling their dealers of the "PL up too high" problem just to save face rather than admitting that they left a seemingly obvious problem slip through the cracks during product testing.

When I asked them straight up what the story was, the person I talked to admitted that there was a problem. However, when a friend called and said that his radio had a hum, they gave him the "PL up too high" story. And the dealer he bought the radio from told him that the PL was set loud on purpose because most "commercial repeaters" require a louder PL. What kind of load of BS is that? First of all, the 733 isn't type accepted for commercial use. Second, there is no difference between a "commercial repeater" and an "amateur repeater." For the most part, amateur repeaters are Motorolas, GE's, Johnson's, etc. Go figure.

--- Jeff

--

Jeff DePollo WN3A Twisted Pair: H:(215) 337-7383 W:387-3059 x300
depolo@eniac.seas.upenn.edu RF: 443.800+ 442.400+ 442.200+ MHz PL 3B
Claim to Fame: I got the first speeding ticket on the information superhighway

Date: 8 Aug 1994 11:35:09 -0400
From: newstf01.cr1.aol.com!search01.news.aol.com!not-for-mail@uunet.uu.net
Subject: kenwood tsu-7 tone board 4 sale
To: ham-equip@ucsd.edu

Kenwood TSU-7 Tone Board option for sale. List is \$58.95. would like \$40.00 and I'll pay postage and package costs.

E-Mail to: NI4K @AOL.COM

Date: Mon, 08 Aug 94 15:39:02 PDT
From: news.acns.nwu.edu!news.eecs.nwu.edu!psuvax1!news.pop.psu.edu!
news.cac.psu.edu!howland.reston.ans.net!europa.eng.gtefsd.com!
newsxfer.itd.umich.edu!zip.eecs.umich.edu!@@ihnp4.ucsd.edu
Subject: Linear Fades out.....
To: ham-equip@ucsd.edu

In article <8GgHk4XjZtoL061yn@goofy.iaccess.za>, <briane@goofy.iaccess.za> writes:

> I use a Tono 1300E linear amp for VHF operations. It has a fault that puzzles
> me, in that it fades out from the moment I press the PTT down to a very low
> level. This amp is rated at 110-130 watts, (10-15 input), but when triggered
> into a (good) dummy load, it only peaks at 70 watts (15watts in) and
> immediately begins dropping in output down to about 35 watts. I have ruled
> out power supply problems as I am running it off a battery bank of 100AH
> cells and thru the whole fade out, voltage only drops from 14.3 to 13.98

> volts, still slightly above the 12.5 minimum specified by the manufacturer.
>
> Incidentally, the final tranny is a Motorola MRF245. I would really like to
> get this linear firing at 130watts constantly, any suggestions?????
>
> Please e-mail me, or post them up on this group.
>
> TIA.
>
> Cheerio,
>
> Brian ZR5DTS

Replace the finals.

Date: 8 Aug 1994 22:56:42 GMT
From: ihnp4.ucsd.edu!news.acns.nwu.edu!news.eecs.nwu.edu!psuvax1!news.pop.psu.edu!
news.cac.psu.edu!howland.reston.ans.net!vixen.cso.uiuc.edu!sdd.hp.com!portal.com!
twise@network.ucsd.edu
Subject: Mods for Yaesu 2500?
To: ham-equip@ucsd.edu

I have a Yaesu 2500M...(2m mobile)...anyone know of any mods?

Travis
--

Travis A. Wise
Assistant Manager, Photo Drive Up
Freshman, San Jose State University
Voice Mail/Pager: (408) 383-8570

Date: Mon, 8 Aug 1994 14:47:39 GMT
From: amd!amdint.amd.com!txnews.amd.com!bianca!rdavis@decwrl.dec.com
Subject: New Life For Old FM Rigs
To: ham-equip@ucsd.edu

In article <gregCu2GK4.JGv@netcom.com>, Greg Bullough <greg@netcom.com> wrote:
>
>It's a shame to retire my Drake UV-3 to packet service, now that virtually
>every local repeater requires PL tones.
>
>So I've been thinking about setting up an outboard sub-audible and DTMF
>encoder. Now the encoder and the DTMF pad are easy to obtain. However,
>most of the encoders seem to want a 5-bit encoding of values from 0-31

Legal stuff:

The above opinions are my own and not necessarily those of the staff, faculty, administration, or lab animals (woof!) of The University of Texas Health Science Center at San Antonio or anyone else who is not me.

Kevin R. Muenzler, WB5RUE
muenzlerk@uthscsa.edu

The University of Texas Health
Science Center at San Antonio,
Department of Computing Resources

** There is no such thing as a Monkey-Proof Program! **
** I can prove it! **

Date: 8 Aug 1994 17:59:46 GMT
From: ihnp4.ucsd.edu!news.cerf.net!gopher.sdsc.edu!nic-nac.CSU.net!
channel.ecst.csuchico.edu!yeshua.marcam.com!zip.eecs.umich.edu!
newsxfer.itd.umich.edu!ncar!csn!col.hp.com!bjm@network.ucsd.
Subject: Request: IC-281H vs. FT-2500/2200 ?
To: ham-equip@ucsd.edu

Hello,

I am looking for any comments/comparisons of the Icom IC-281H versus the Yaesu FT-2500 or FT2200. I am looking for a new 2M mobile rig as I find my HT to be very inconvenient (even hazardous) to use while mobile. I am leaning towards the Yaesu only because of the backlit DTMF microphone (also, I am happy with my FT-530 HT). I would appreciate any first-hand use comments and/or advice.

73,

Brent Mirchandani
KB0LUE

bjm@col.hp.com

Date: 7 Aug 1994 08:57:36 -0600
From: ihnp4.ucsd.edu!ucsnews!sol.ctr.columbia.edu!news.kei.com!yeshua.marcam.com!
channel.ecst.csuchico.edu!xmission!u.cc.utah.edu!not-for-mail@network.ucsd.edu
Subject: test
To: ham-equip@ucsd.edu

Please ignore. Just a test.

Date: 8 Aug 1994 18:52:09 GMT
From: dog.ee.lbl.gov!agate!usenet.ins.cwru.edu!lerc.nasa.gov!magnus.acs.ohio-state.edu!math.ohio-state.edu!cs.utexas.edu!gerald.cc.utexas.edu!
tivoli.tivoli.com!wichita!kilgore@@ihnp4.ucsd.edu
Subject: TH-79 oddities
To: ham-equip@ucsd.edu

In article <325rph\$g16@pentagon.io.com>, duanev@pentagon.io.com (duane voth) writes:

|> I've noticed two strange things about my TH-79 when listening down
|> around the 120MHz aircraft bands:
|> 1) it will start beeping (1beep/sec) for some unknown reason,
|> 2) the decimal point will sometimes be 4 pixels wide instead of 2!
|> I've also noticed that the squelch doesn't seem to work real well
|> most of the time. Does anyone have any idea what is going on?
|>
|> --
|> --- Duane Voth _/_/ work: duanev@mpd.tandem.com
|> --- KC5BGV _/_/ play: duanev@io.com
|> --- ALL systems are arbitrary! Effectiveness is the measure of Truth
|> --

I don't have any answers, but I have noticed the strange beeping. It is somewhat irritating and perplexing.

I suspect the squelch not functioning as effectively is due to AM detection versus FM detection. I usually just bump my squelch setting up to 3 or 4 when monitoring the aircraft band.

73,
Jeff, KC1MK (kilgore@tivoli.com)

Date: 8 Aug 1994 12:59:13 -0500
From: illuminati.io.com!nobody@uunet.uu.net
Subject: TH-79 oddities
To: ham-equip@ucsd.edu

I've noticed two strange things about my TH-79 when listening down around the 120MHz aircraft bands:

1) it will start beeping (1beep/sec) for some unknown reason,
2) the decimal point will sometimes be 4 pixels wide instead of 2!
I've also noticed that the squelch doesn't seem to work real well most of the time. Does anyone have any idea what is going on?

--
--- Duane Voth _/_/ work: duanev@mpd.tandem.com
--- KC5BGV _/_/ play: duanev@io.com
--- ALL systems are arbitrary! Effectiveness is the measure of Truth
--

Date: 8 Aug 1994 21:57:48 GMT
From: spool.mu.edu!agate!kennish@uunet.uu.net
Subject: TH-79 oddities
To: ham-equip@ucsd.edu

In article <325rph\$g16@pentagon.io.com>,
duane voth <duanev@pentagon.io.com> wrote:
>I've noticed two strange things about my TH-79 when listening down
>around the 120MHz aircraft bands:
>1) it will start beeping (1beep/sec) for some unknown reason,
>2) the decimal point will sometimes be 4 pixels wide instead of 2!
>I've also noticed that the squelch doesn't seem to work real well
>most of the time. Does anyone have any idea what is going on?

The wide decimal point indicates that you are doing a A3E
demodulation instead of F3E. Have no idea what the
beeping is.

==ken

Date: Mon, 8 Aug 1994 09:22:58 EDT
From: noc.near.net!saturn.caps.maine.edu!maine.maine.edu!houser@uunet.uu.net
Subject: Yaesu FT-101, missing manual
To: ham-equip@ucsd.edu

Does anyone have a line on where I can obtain some sort of manual for
this old Yaesu FT-101? Any sort of help would be appreciated. I'm rather
new to ham radio so be gentle with me :-)

Stephen Houser (N1QWF)	http://csir1.usmacs.maine.edu/~houser
University of Southern Maine	
144 Luther Bonney Hall	BITNET: houser@portland
96 Falmouth Street	Internet: houser@usm.maine.edu
Portland, Maine 04103	AT&T: (207) 780-4588

End of Ham-Equip Digest V94 #275
